ABSTRACT

The present invention provides ethylene polymers capable of preparing various molded articles such as films, sheets or the like, and having excellent moldability, particularly excellent high-speed moldability.

The ethylene polymers of the present invention have a density and molecular weight distribution in specific ranges.

The first ethylene polymer is characterized by having (C) a ratio (MFR_{10}/MFR_2) of a melt flow rate (MFR_{10}) at 190°C under a load of 10 Kg to a melt flow rate (MFR_2) at 190°C under a load of 2.16 Kg of from 16.2 to 50. The second ethylene polymer is characterized by having (C) a ratio (MFR_{10}/MFR_2) from 12 to 50. The third ethylene polymer is characterized by having (D) a relation of $\omega 2 / \omega 1 \geq 18$ where $\omega 1$ and $\omega 2$ denote angular velocity (rad/sec) when complex elastic modulus G* (dyne/cm^2) at 200°C is 5.0×10^5 dyne/cm^2 and 2.0×10^6 dyne/cm^2, respectively, which are determined by measurement of the angular velocity dependence of the complex elastic modulus of the copolymer.